

DEC 7000 AXP and VAX 7000 Rackmount and Packaged Systems

Versatile, Powerful Systems that Conserve Floor Space



You need more power for applications such as transaction processing, imaging, securities trading, and more. But space is expensive. No problem. Now you can have double the computing power in half the space. The DEC 7000 AXP system and VAX 7000 system are now available in a 19-inch wide rackmount format. These systems meet the rigorous demands of data center computing, yet they only require 35 inches of vertical rack space. They provide single or multiprocessing capabilities for mission-critical and technical applications that previously required much larger and more costly systems. You can install these rackmounts in component modules or package them in a cabinet as a complete system.

The modular platform of the 7000 system models, combined with rackmount storage devices, offer you a myriad of configuration and expansion possibilities — including the ability to configure two rackmounted systems in the same cabinet.

Other potential configurations enable you to tailor the system's functionality specifically for your present needs with the ability to expand for future growth. At an entry level, the rackmount DEC 7000 AXP or VAX 7000 systems can be the base platforms or "building blocks" that can take on large-scale solutions easily with their flexibility to add rackmount storage devices. You simply "plug and play" the modules you need into the rack.

Highlights

- Install the DEC 7000 AXP system or VAX 7000 into an industry-standard ANSI/EIA 19-inch rackmount cabinet, which includes air-conditioned or NEMA-rated cabinets
- Obtain the the data-center performance of the DEC 7000 AXP server or VAX 7000 system in a rackmount format, saving valuable floor space
- Choose from a variety of configurations offering versatility and expandability — for easy, flexible growth and investment protection
- Take advantage of two chassis that require only 35 inches of vertical space, or install dual systems (four chassis) in one 81-inch cabinet
- Access the system easily for service and maintenance with sliding rails and pivoting chassis
- Consolidate the cabling within the cabinet to minimize external cabling

The Rackmount DEC 7000 AXP server and Rackmount VAX 7000 system, complete with the XMI I/O chassis, use the same 12-usable-slot XMI card cage as the standard 7000 systems. Unlike their large-cabinet counterparts however, the rackmount versions support three CPUs instead of six. The only other difference between the standard and rackmount systems is that the rackmount versions do not have battery backup, so it is recommended that you use an Uninterruptible Power Supply (UPS) as an alternative.

Rackmount DEC 7000 AXP Server Features

The DEC 7000 AXP rackmount servers offer both balanced performance and configuration flexibility. An internal 128-bit-wide synchronous system bus is standard, providing 800 MB/sec peak (640 MB/sec sustained) bandwidth, virtually eliminating bottlenecks.

These rackmount servers are among the most expandable in the industry today; their modular platform enables you to improve performance in a number of dimensions — symmetric multiprocessing (SMP), larger memory, more I/O bandwidth, and greater disk capacity.

The DEC 7000 AXP rackmount servers offer you a choice of operating systems: OpenVMS AXP or the UNIX-based DEC OSF/1 AXP. And, these servers provide seamless integration with other servers, workstations, and PCs — whether they are Digital's or from other vendors. Outstanding hardware and software investment protection is ensured with Network Application Support (NAS) and client/server computing.

Rackmount VAX 7000 System Features

The VAX 7000 rackmount system offers you data-center solutions that reduce computing costs while increasing productivity. Its flexibility and ability to expand permit mainframe sites to "rightsize" their applications cost effectively — in a 19-inch-wide rackmount cabinet. This system is an ideal backbone computing platform capable of supporting numerous compute-intensive tasks.

Running the OpenVMS operating system with its world-class proven technology, the VAX 7000 rackmount system provides investment protection. It offers easy system and application growth in the OpenVMS environment, complete DSSI/CI/FDDI VAXcluster and networking support, symmetric multiprocessing support, and a platform that provides an easy growth path to future VAX systems or to Alpha AXP technology.

Flexible Hardware Configurations

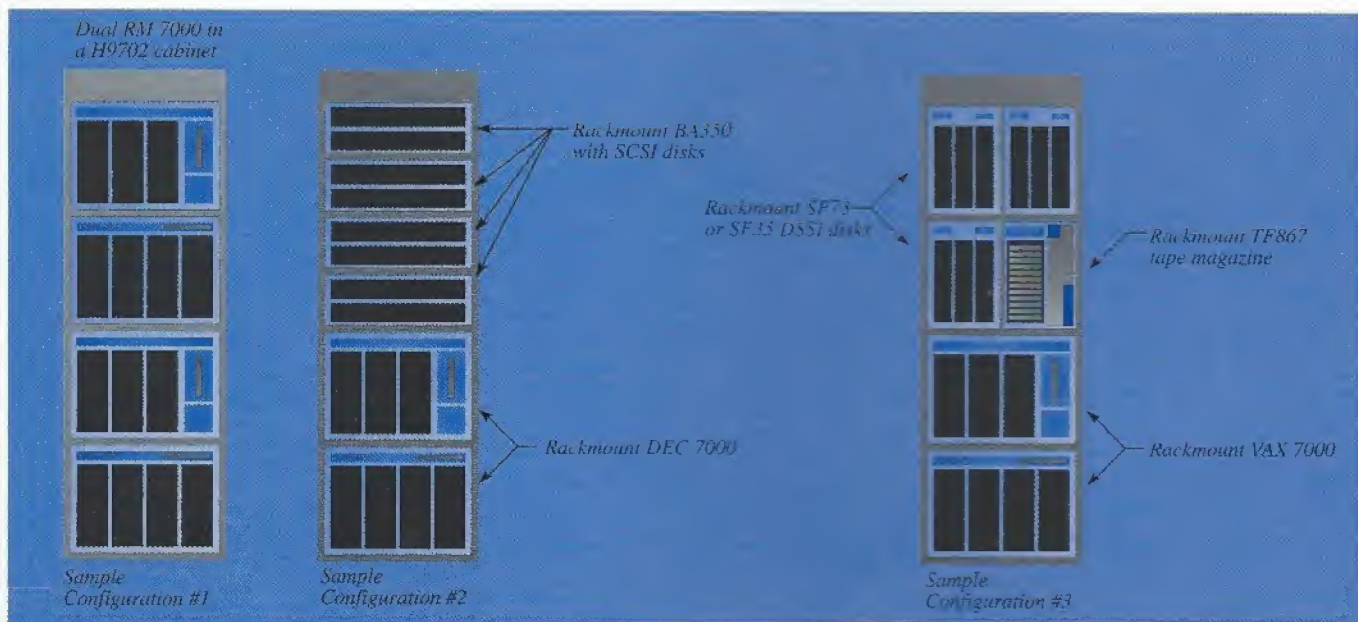
Rackmount DEC 7000 servers and Rackmount VAX 7000 systems are custom-quoted and individually configured to solve your most unique computing problems. You can purchase dual-chassis rackmount systems with cabinets as completely integrated systems. Multiple disks and other peripherals can be installed in the same enclosure, depending on the cabinet you select. Two systems (four chassis) can be installed in an 81-inch high cabinet. Rackmount systems can also be ordered as a chassis alone for your own installation into an EMI-shielded cabinet; you take care of your own integration and FCC compliance.

Full Digital Support

Digital provides one of the most comprehensive portfolios of services in the industry. The type and amount of support may be tailored to meet individual needs.

For More Information

To learn more about the Rackmount DEC 7000 AXP system or the Rackmount VAX 7000 system, call your local Digital Sales Representative or call our sales support group — 800-832-6277 or 603-884-8990.



Specifications

Electrical	System Box	XMI I/O Box	H9702-FB Cabinet
<i>Power Requirement</i>			
AC Input Voltage	200-240V	200-240V	200-240 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Maximum Input Current	10A RMS	6A RMS	24A RMS each controller
Phases	1	1	1
Receptacle Required	NEMA 6-15R	NEMA L6-15R	L6-30R (2 required)
Physical Characteristics	System Box	XMI I/O Box	H9702-FB Cabinet
Height	48.8 cm (19.2 in)	40.1 cm (15.8 in)	205.7 cm (81.1 in)
Width	48.3 cm (19.0 in)	48.3 cm (19.0 in)	57.3 cm (21 in)
Depth	78.7 cm (31.0 in)	91.4 cm (36.0 in)	91.4 cm (36.0 in)
Weight	Approx 90 lb	Approx 130 lb	Approx 300 lb
Clearances	Operating	Service	
Front	1.0 m/40 in	1.5 m/60 in	
Rear	1.0 m/40 in	1.0 m/40 in	
Sides	0	0.4 m/15 in (left)	
Environmental	Operating	Non-operating	
Temperature	15-28 C (59-82 F)	40-66 C (140-151 F)	
Humidity	20%-80%	10%-95%	
Heat Dissipation	Fully configured system (excluding additional subsystems in cabinet) 6825 BTU/hr, 2000 W per system		

Ordering Information

Model	Description
DEC 7000 Model 610 AXP Base Server System	
7HARC-EA	Rackmount DEC 700-610 AXP system, 128 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, DEC OSF/1 AXP base license, 200-240VAC, 50-60Hz, one phase
7HARD-EA	Rackmount DEC 700-610 AXP system, 256 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, DEC OSF/1 AXP base license, 200-240VAC, 50-60Hz, one phase
7HARE-EA	Rackmount DEC 700-610 AXP system, 512 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, DEC OSF/1 AXP base license, 200-240VAC, 50-60Hz, one phase
7HARC-HA	Rackmount DEC 700-610 AXP system, 128 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, DEC OSF/1 AXP base license, 200-240VAC, 50-60Hz, one phase
7HARD-HA	Rackmount DEC 700-610 AXP system, 256 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, DEC OSF/1 AXP base license, 200-240VAC, 50-60Hz, one phase
7HARE-HA	Rackmount DEC 700-610 AXP system, 512 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, DEC OSF/1 AXP base license, 200-240VAC, 50-60Hz, one phase 7
7HARC-EA	Rackmount DEC 700-610 AXP system, 128 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, DEC OSF/1 AXP base license, 200-240VAC, 50-60Hz, one phase
DEC 7000 Model 610 OpenVMS Traditional Systems	
7HARC-FA	Rackmount DEC 7000-610 AXP system, 128 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, OpenVMS AXP base and unlimited licenses, DECnet end node license, 200-240VAC, 50-60 Hz, one phase
7HARD-FA	Rackmount DEC 7000-610 AXP system, 256 MB, no cabinet, no I/O chassis; BA700-AA, MS7AA-BA, OpenVMS AXP base and unlimited licenses, DECnet end node license, 200-240VAC, 50-60 Hz, one phase
VAX 7000 Model 610 OpenVMS Traditional Systems	
7 FARC-AA	Rackmount VAX 7000-610 system, 128 MB, no cabinet, no I/O chassis, BA700-AA, MS7AA-CA, OpenVMS base and unlimited license, DECnet full function license, 200-240VAC, 50-60 Hz, one phase
7 FARD-AA	Rackmount VAX 7000-610 system, 256 MB, no cabinet, no I/O chassis, BA700-AA, MS7AA-CA, OpenVMS base and unlimited license, DECnet full function license, 200-240VAC, 50-60 Hz, one phase
7 FARE-AA	Rackmount VAX 7000-610 system, 512MB, no cabinet, no I/O chassis, BA700-AA, MS7AA-CA, OpenVMS base and unlimited license, DECnet full function license, 200-240VAC, 50-60 Hz, one phase
VAX 7000 Model 610 OpenVMS Base Servers	
7 FARB-BA	Rackmount VAX 7000-610 system, 64 MB, no cabinet, no I/O chassis, BA700-AA, MS7AA-CA, OpenVMS base license, 200-240VAC, 50-60 Hz, one phase
7 FARC-BA	Rackmount VAX 7000-610 system, 128 MB, no cabinet, no I/O chassis, BA700-AA, MS7AA-CA, OpenVMS base license, 200-240VAC, 50-60 Hz, one phase
7 FARD-BA	Rackmount VAX 7000-610 system, 256 MB, no cabinet, no I/O chassis, BA700-AA, MS7AA-CA, OpenVMS base license, 200-240VAC, 50-60 Hz, one phase
DEC/VAX 7000 XMI I/O Chassis	
DWLMR-AA	Rackmount 7000 XMI I/O chassis, BA 601-AB, DEMNA-N, RRD42, KZMSA-AB, 200-240VAC, 50-60 Hz, one phase
DWLMR-BA	Rackmount 7000 XMI I/O chassis, BA 601-AB, 200-240VAC, 50-60 Hz, one phase
DWLMR-CA	Rackmount 7000 XMI I/O chassis, BA 601-AB, KFMSA, TF85, DEMNA-M, 200-240VAC, 50-60 Hz, one phase
DWLMR-DA	Rackmount 7000 XMI I/O chassis, BA 601-AB, DEMNA- M, 200-240VAC, 50-60 Hz, one phase
Notes:	A cabinet or rack is not included with these systems and must be ordered. The H9702-FB is recommended. A console device is not included and must be ordered if needed.

Digital believes the information in this publication is accurate as of its publication date; such information is subject to change without notice. Digital is not responsible for any inadvertent errors.

Digital conducts its business in a manner that conserves the environment.

DEC, Alpha AXP, VAX, VAXcluster, OpenVMS, and the DIGITAL logo are trademarks of Digital Equipment Corporation.